H:\2013\51; tgilleland Apr 20, 201

SEQUENCE OF WORK FOR INSTALLATION OF NEW OXYGEN PIPING

- 1. PRIOR TO REMOVAL OF EXISTING OXYGEN PIPING AND INSTALLING ANY NEW "REROUTED" OXYGEN PIPING, THE CONTRACTOR SHALL SCHEDULE A MEETING WITH THE COR.
- 2. SET UP STAGING AREA.
- 3. NEW "REROUTED" OXYGEN PIPING SHALL BE IN PLACE AND READY FOR CONNECTION PRIOR TO CUTTING INTO THE EXISTING OXYGEN SYSTEM.
- 4. PERSONNEL AND EQUIPMENT TO BE DETERMINED AT THE MEETING MENTIONED ABOVE SHALL BE IN PLACE TO BACK FEED THE AREAS REQUIRED.
- 5. ONLY ONE (1) OXYGEN LINE SHALL BE WORKED ON AT A TIME.
- 6. THE OXYGEN SYSTEM SHALL BE REDUCED TO ATMOSPHERIC PRESSURE.
- 7. NEW "REROUTED" OXYGEN PIPING SHALL BE TIED BACK INTO THE EXISTING SYSTEM.
- 8. THIS WORK SHALL BE PERFORMED DURING HOURS AS DESIGNATED IN SPECIFICATION SECTION 010000.
- 9. THE NEW "REROUTED" OXYGEN SYSTEM SHALL BE CERTIFIED AND PLACED BACK INTO SERVICE.
- 10. ALL BACK FEED EQUIPMENT AND PERSONNEL SHALL BE RELEASED.
- 11. THE CONTRACTOR SHALL ADVISE THE COR THAT THE WORK IS COMPLETE AND BACK IN SERVICE.

SEQUENCE OF WORK FOR INSTALLATION OF NEW MEDICAL AIR PIPING

- . PRIOR TO REMOVAL OF EXISTING MEDICAL AIR PIPING AND INSTALLING ANY NEW "REROUTED" MEDICAL AIR PIPING, THE CONTRACTOR SHALL SCHEDULE A MEETING WITH THE COR.
- 2. SET UP STAGING AREA.
- 3. NEW "REROUTED" MEDICAL AIR PIPING SHALL BE IN PLACE AND READY FOR CONNECTION PRIOR TO CUTTING INTO THE EXISTING MEDICAL AIR SYSTEM.
- 4. PERSONNEL AND EQUIPMENT TO BE DETERMINED AT THE MEETING MENTIONED ABOVE SHALL BE IN PLACE TO BACK FEED THE AREAS REQUIRED.
- 5. ONLY ONE (1) MEDICAL AIR LINE SHALL BE WORKED ON AT A TIME.
- 6. THE MEDICAL AIR SYSTEM SHALL BE REDUCED TO ATMOSPHERIC PRESSURE.
- NEW "REROUTED" MEDICAL AIR PIPING SHALL BE TIED BACK INTO THE EXISTING SYSTEM.
- 8. THIS WORK SHALL BE PERFORMED DURING HOURS AS DESIGNATED IN SPECIFICATION SECTION 010000.
- 9. THE NEW "REROUTED" MEDICAL AIR SYSTEM SHALL BE CERTIFIED AND PLACED BACK INTO SERVICE.
- 10. ALL BACK FEED EQUIPMENT AND PERSONNEL SHALL BE RELEASED.
- 11. THE CONTRACTOR SHALL ADVISE THE COR THAT THE WORK IS COMPLETE AND BACK IN SERVICE.

SEQUENCE OF WORK FOR INSTALLATION OF NEW MEDICAL VACUUM PIPING

- 1. PRIOR TO REMOVAL OF EXISTING MEDICAL VACUUM PIPING AND INSTALLING ANY NEW "REROUTED" MEDICAL VACUUM PIPING, THE CONTRACTOR SHALL SCHEDULE A MEETING WITH THE COR.
- 2. SET UP STAGING AREA.
- 3. NEW "REROUTED" MEDICAL VACUUM PIPING SHALL BE IN PLACE AND READY FOR CONNECTION PRIOR TO CUTTING INTO THE EXISTING MEDICAL VACUUM SYSTEM.
- 4. PERSONNEL AND EQUIPMENT TO BE DETERMINED AT THE MEETING MENTIONED ABOVE SHALL BE IN PLACE TO BACK FEED THE AREAS REQUIRED.
- 5. ONLY ONE (1) MEDICAL VACUUM LINE SHALL BE WORKED ON AT A TIME.
- 6. THE MEDICAL VACUUM SYSTEM SHALL BE REDUCED TO ATMOSPHERIC PRESSURE.
- 7. NEW "REROUTED" MEDICAL VACUUM PIPING SHALL BE TIED BACK INTO THE EXISTING SYSTEM.
- 8. THIS WORK SHALL BE PERFORMED DURING HOURS AS DESIGNATED IN SPECIFICATION SECTION 010000.
- 9. THE NEW "REROUTED" MEDICAL VACUUM SYSTEM SHALL BE CERTIFIED AND PLACED BACK INTO SERVICE.
- 10. ALL BACK FEED EQUIPMENT AND PERSONNEL SHALL BE RELEASED.
- 11. THE CONTRACTOR SHALL ADVISE THE COR THAT THE WORK IS COMPLETE AND BACK IN SERVICE.

GENERAL NOTES

- A. THESE DRAWINGS ARE DIAGRAMMATIC ONLY AND ARE NOT TO BE SCALED. FIELD VERIFY ALL DIMENSIONS, PIPE SIZES, AND INVERTS. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND LOCATIONS OF ALL PLUMBING FIXTURES AND EQUIPMENT.
- B. COORDINATE PIPE ROUTING WITH DUCT ROUTING, EQUIPMENT LOCATIONS, ELECTRICAL INSTALLATIONS, AND BUILDING STRUCTURAL MEMBERS. OFFSET PIPING WHERE REQUIRED TO AVOID CONFLICTS. AVOID PENETRATING ANY MAIN STRUCTURAL BEAM. NOTIFY COR OF ANY CONFLICTS.
- C. CONTRACTOR SHALL REMOVE AND REPAIR PORTIONS OF FLOORS, CEILINGS AND/OR SLABS AFFECTED BY PLUMBING MODIFICATIONS. REPAIR SURFACES TO MATCH EXISTING UNLESS NOTED OTHERWISE ON ARCHITECTURAL DRAWINGS.
- D. WHERE CHASES ARE NOT PRESENT, CONNECT VENT PIPING TOGETHER IN CEILING SPACE IF POSSIBLE TO AVOID CUTTING THROUGH STUDS.
- CONTRACTOR SHALL INSPECT AND ROD OUT EXISTING SANITARY WASTE AND/OR SEWER PIPING BEFORE MAKING ANY NEW CONNECTIONS. CONTRACTOR SHALL NOTIFY OWNER AND COR OF ALL SANITARY SEWER WHICH IS NOT SERVICEABLE AND REQUIRE REPLACEMENT.
- PRIOR TO PERFORMING ANY PLUMBING WORK OR PURCHASING ANY MATERIALS VERIFY EXACT LOCATION, ROUTING, AND PIPE SIZES, ETC. OF ALL EXISTING WASTE, DRAIN, VENT, MEDICAL GAS, DOMESTIC WATER SUPPLY AND RETURN PIPING.
- G. PROVIDE CLEANOUT(S) AS REQUIRED BY INTERNATIONAL PLUMBING CODE, LOCAL CODE, BOTTOM OF STACKS, ABOVE BACK TO BACK FIXTURES, AND WHERE HORIZONTAL SANITARY SEWER PIPING CHANGES DIRECTION OVER
- H. NEW 2" SANITARY SEWER PIPING SHALL BE SLOPED A MINIMUM TWO PERCENT, ONE-QUARTER INCH PER FOOT.

 NEW 3" AND 4" SANITARY SEWER PIPING SHALL BE SLOPED A MINIMUM ONE PERCENT, ONE-EIGHT INCH PER
 FOOT
- ALL HORIZONTAL STORM DRAINAGE PIPING SHALL BE INSULATED.
- J. ALL DOMESTIC COLD WATER SUPPLY, DOMESTIC HOT WATER SUPPLY AND DOMESTIC HOT WATER RETURN PIPING SHALL BE INSULATED.
- ROUTING AND RISERS SHOWN SHALL BE VERIFIED IN TERMS OF LOCATION, INVERT, AND COORDINATION WITH OTHER TRADES THROUGHOUT LAYOUT, PLANNING, AND INSTALLATION ACTIVITIES. DO NOT INSTALL ANY NEW PIPING OR MODIFY ANY EXISTING PIPING PRIOR TO THOROUGH COORDINATION WITH ALL OTHER TRADES WITHIN EACH WORK AREA. CONTRACTOR SHALL MODIFY PIPING INSTALLATION TO ACCOMMODATE THE REQUIRED COORDINATION AND SHALL MAINTAIN ACCURATE REDLINES AS—BUILTS OF SUCH CHANGES THROUGHOUT CONSTRUCTION. ALL CHANGES REQUIRED FOR COORDINATION SHALL BE IN FULL COMPLIANCE WITH SPECIFICATIONS AND APPLICABLE CODES.
- L. CONNECT PRESSURE SWITCHES TO AREA ALARM PANEL. CONNECT LOCAL AND AREA ALARM TO HOSPITAL MASTER ALARM PANELS. PROVIDE ALL NECESSARY CONDUIT, CONNECTORS, AND CONDUCTORS FOR COMPLETE AND OPERABLE LEVEL 1 ALARM SYSTEM PER NFPA 99. ALL ALARM COMMUNICATION WIRING SHALL BE ROUTED IN CONDUIT. PLUMBING CONTRACTOR SHALL WORK WITH ELECTRICAL CONTRACTOR TO INSURE ALL CONDUIT HAS BEEN RUN.
- M. ALL IN LINE MEDICAL GAS SHUT OFF VALVES SHALL BE OF LOCKING TYPE AND LOCKED OPEN UNLESS OTHERWISE

SEQUENCE OF WORK FOR INSTALLATION OF NEW STORM DRAINAGE PIPING

- 1. PRIOR TO REMOVAL OF EXISTING STORM DRAINAGE PIPING AND INSTALLING ANY NEW "REROUTED" STORM DRAIN PIPING, THE CONTRACTOR SHALL SCHEDULE A MEETING WITH THE COR.
- 2. SET UP STAGING AREA.
- 3. NEW "REROUTED" STORM DRAIN PIPING SHALL BE IN PLACE AND READY FOR CONNECTION PRIOR TO CUTTING INTO THE EXISTING STORM DRAINAGE PIPING.
- 4. ONLY THOSE STORM DRAINAGE PIPING WHICH CAN BE PLACED BACK IN OPERATION, WITHIN THE TIME FRAME LISTED BELOW, SHALL BE WORKED ON.
- 5. WORK ON THE STORM DRAINAGE PIPING SHALL NOT BE PERFORMED DURING INCLEMENT WEATHER.
- 6. NEW "REROUTED" STORM DRAINAGE LINE SHALL BE TIED BACK INTO THE EXISTING SYSTEM.
- 7. THE NEW "REROUTED" STORM DRAINAGE LINE SHALL BE TESTED AND PLACED BACK INTO SERVICE.
- 8. THIS WORK SHALL BE PERFORMED DURING HOURS AS DESIGNATED IN SPECIFICATION SECTION 010000.
- 9. THE CONTRACTOR SHALL ADVISE THE COR THAT THE WORK IS COMPLETE AND BACK IN SERVICE.

SEQUENCE OF WORK FOR INSTALLATION OF NEW EMERGENCY STORM DRAIN PIPING

- 1. PRIOR TO REMOVAL OF EXISTING EMERGENCY STORM DRAINAGE PIPING AND INSTALLING ANY NEW "REROUTED" EMERGENCY STORM DRAINAGE PIPING, THE CONTRACTOR SHALL SCHEDULE A MEETING WITH THE COR.
- 2. SET UP STAGING AREA.
- 3. NEW "REROUTED" EMERGENCY STORM DRAINAGE PIPING SHALL BE IN PLACE AND READY FOR CONNECTION PRIOR TO CUTTING INTO THE EXISTING EMERGENCY STORM DRAINAGE PIPING.
- 4. ONLY THOSE EMERGENCY STORM DRAINAGE PIPING WHICH CAN BE PLACED BACK IN OPERATION, WITHIN THE TIME FRAME LISTED BELOW, SHALL BE WORKED ON.
- 5. WORK ON THE EMERGENCY STORM DRAINAGE PIPING SHALL NOT BE PERFORMED DURING INCLEMENT WEATHER.
- 6. NEW "REROUTED" EMERGENCY STORM DRAINAGE LINE SHALL BE TIED BACK INTO THE EXISTING SYSTEM.
- 7. THE NEW "REROUTED" EMERGENCY STORM DRAINAGE LINE SHALL BE TESTED AND PLACED BACK INTO SERVICE.
- 8. THIS WORK SHALL BE PERFORMED DURING HOURS AS DESIGNATED IN SPECIFICATION SECTION 010000.
- 9. THE CONTRACTOR SHALL ADVISE THE COR THAT THE WORK IS COMPLETE AND BACK IN SERVICE.

DEMOLITION WORK	ADDDE\/IATION	LINE DESCRIPTION
LINE	ABBREVIATION	
······	_	DEMOLITION EQUIPMENT/FIXTURES
	_	DEMOLITION PLUMBING PIPING
**************************************	_	ABANDONED PLUMBING PIPING
EVICTING WORK		
EXISTING WORK		
LINE	ABBREVIATION	LINE DESCRIPTION
	(E)CW	EXISTING DOMESTIC COLD WATER PIPING
	(E)HW	EXISTING DOMESTIC HOT WATER PIPING
	(E)HWR	EXISTING DOMESTIC HOT WATER RETURN PIPING
MA	(E)MA	EXISTING MEDICAL COMPRESSED AIR PIPING
MV	(E)MV	EXISTING MEDICAL VACUUM PIPING
OX	(E)OX	EXISTING OXYGEN PIPING
	(E)V	EXISTING SANITARY SEWER VENT PIPING
	(E)SS	EXISTING SANITARY SEWER PIPING
SD	(E)SD	EXISTING STORM SEWER DRAIN PIPING
OD	(E)OD	EXISTING OVERFLOW DRAIN PIPING
	,	
NEW WORK		
LINE	ABBREVIATION	LINE DESCRIPTION
	CW	DOMESTIC COLD WATER PIPING
	HW	DOMESTIC HOT WATER PIPING
DA	HWR RA	DOMESTIC HOT WATER RETURN PIPING RE-AGENT GRADE WATER SUPPLY PIPING
RA———		
RAR	RAR	RE-AGENT GRADE WATER RETURN PIPING
MA	MA	MEDICAL COMPRESSED AIR PIPING
MV	MV	MEDICAL VACUUM PIPING
ox	OX	OXYGEN PIPING
и	LA	LABORATORY COMPRESSED AIR PIPING
	V	SANITARY SEWER VENT PIPING
	SS	SANITARY SEWER PIPING
SD	SD	STORM SEWER DRAIN PIPING
OD	OD	OVERFLOW DRAIN PIPING
SYMBOL	ABBREVIATION	SYMBOL DESCRIPTION
<u> Но́</u>	BV	BALL VALVE
——	_	LOCKED CLOSED IN LINE VALVE
	_	LOCKED OPEN IN LINE VALVE
── ₩	BAL	BALANCING VALVE
DG	_	VALVE ON RISER
<u> </u>	UP	RISER UP (ELBOW)
G	DN	RISER DOWN (ELBOW)
	_	RISE OR DROP
.l.	_	BRANCH - TOP CONNECTION
	_	BRANCH - BOTTOM CONNECTION
 	_	BRANCH - SIDE CONNECTION
<u> </u>	COP	CAP ON END OF PIPE
	UN	UNION (SCREWED)
' '	WHA	WATER HAMMER ARRESTER
+ C	HB	HOSE BIBB
	–	
	PTW	PIPE SLEEVE
	_	PIPE REDUCER
	_ 	FLOW DIRECTION
•	RD	ROOF DRAIN
← C—LA—	<u> </u>	LABORATORY AIR OUTLET QUICK CONNECT TYPE
►-GLV	_	LABORATORY VACUUM INLET QUICK CONNECT TYPE
•-GOX	MGS0	OXYGEN OUTLET QUICK COUPLER TYPE
<u>무</u>	_	MEDICAL GAS SENSOR SWITCH
	VB	VALVE BOX RECESSED
	LA	LOCAL ALARM
	AA	AREA ALARM
T	PT	PLUGGED TEE
<u> </u>	FC0	FLOOR CLEANOUT
5	WCO	WALL CLEANOUT
I 	CO	CLEANOUT PLUG (BELOW FLOOR)
©c	FD	FLOOR DRAIN
	SH	SHOWER DRAIN
<u>Oe</u>	JI 1	-
<u> </u>	HD	HUB DRAIN
<u> </u>		
○ c		DEMOLITION WORK BALLOON
(X) (X)		
○ c		DEMOLITION WORK BALLOON
(X) (X)		DEMOLITION WORK BALLOON NEW WORK BALLOON SCOPE OF WORK
(X) (X)		DEMOLITION WORK BALLOON NEW WORK BALLOON
(X) (X)	HD	DEMOLITION WORK BALLOON NEW WORK BALLOON SCOPE OF WORK
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	HD - - - DESCRIPTION	DEMOLITION WORK BALLOON NEW WORK BALLOON SCOPE OF WORK LIMIT OF DEMOLITION WORK
ABBREVIATION AC	HD DESCRIPTION ABOVE CEILING	DEMOLITION WORK BALLOON NEW WORK BALLOON SCOPE OF WORK LIMIT OF DEMOLITION WORK
ABBREVIATION AC AFF	HD DESCRIPTION ABOVE CEILING ABOVE FINISHE	DEMOLITION WORK BALLOON NEW WORK BALLOON SCOPE OF WORK LIMIT OF DEMOLITION WORK D FLOOR
ABBREVIATION AC AFF ADA	HD DESCRIPTION ABOVE CEILING ABOVE FINISHE AMERICANS WI	DEMOLITION WORK BALLOON NEW WORK BALLOON SCOPE OF WORK LIMIT OF DEMOLITION WORK ED FLOOR TH DISABILITIES ACT
ABBREVIATION AC AFF ADA BF	HD DESCRIPTION ABOVE CEILING ABOVE FINISHE AMERICANS WITH BELOW FLOOR	DEMOLITION WORK BALLOON NEW WORK BALLOON SCOPE OF WORK LIMIT OF DEMOLITION WORK ED FLOOR TH DISABILITIES ACT
ABBREVIATION AC AFF ADA	HD DESCRIPTION ABOVE CEILING ABOVE FINISHE AMERICANS WI	DEMOLITION WORK BALLOON NEW WORK BALLOON SCOPE OF WORK LIMIT OF DEMOLITION WORK TO FLOOR TH DISABILITIES ACT

PLUMBING LEGEND

CONSULTANTS:

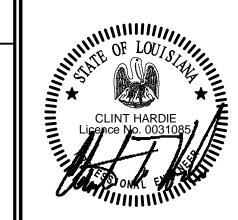
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FINAL SUBMITTAL 667-083 **EXPAND RADIOLOGY AND SPS** OFFICE OF GENERAL NOTES, ABBREVIATIONS **OVERTON BROOKS VAMC** CONSTRUCTION uilding Number: AND SYMBOLS AND FACILITIES **MANAGEMENT** pproved: Project Director rawing Number: SHREVEPORT, LA PP001 VA U.S. Department of Veterans Affairs hecked: CARLTON 04-17-2015 BARNHART Dwg.